

SWP Water Quality Summary

June 16, 2005

Total Dissolved Solids: TDS at all locations ranged from 85 to 261 mg/l, however, concentrations at Banks Pumping Plant (BPP), Checks 29, 41 and Vallecitos were below the Article 19 Ten Year Average Objective of 220 mg/l. There was a decrease at all locations except Devil Canyon. The greatest decrease in TDS occurred last week at BPP, Devil Canyon and Vallecitos, however slight increase was recorded at BPP (85 mg/l) and Check 29 (138 mg/l) on June 9, 2005. The decrease in TDS at BPP is due to fresh water from Central and Northern Sierra Rivers. The lowest concentration occurred last week at BPP and South Bay Aqueduct since continuous monitoring commenced twenty years ago.

Bromide concentrations: Bromide decreased at all locations except BPP, Devil Canyon and Vallecitos. The highest concentration of .16 mg/l occurred at Devil Canyon while BPP and Check 29 had the lowest of 0.03 mg/l each, both on June 9, 2005. All the locations had concentrations below CBDA objective of 0.05 mg/l except Devil Canyon and Barker Slough.

Turbidity: Turbidity at all locations was below 20 NTU except at BPP and Barker Slough. Turbidity increased at all locations except Devil Canyon where concentration remained unchanged at 4 NTU. The highest concentration of 41 NTU occurred at Barker Slough followed by BPP (23 NTU), both on June 9, 2005.

Dissolved Organic Carbon: DOC concentrations increased at Banks Pumping Plant and Check 13. Concentrations at BPP (2.57 to 3.23 mg/l) and Check 13 (3.32 to 3.92 mg/l) slightly increased from May 12 to June 9, 2005. Concentration at both locations increased above the CALFED TOC Objective of 3 mg/l.

Taste and Odor Compounds: Taste and odor compounds (MIB and geosmin) were low at Clifton Court Forebay Inlet, BPP, South Bay Aqueduct at Del Valle Check 7 and Lake Del Valle outlet from May 9 to June 9, 2005 and ranged from non – detect to 5 ng/l. Geosmin was high the second and third week of May (ranged from 25 to 466 ng/l) at Lake Perris even after applying copper sulfate on April 26, 2005.

Ground Water Pump-in: None.

Note: Small amount of surface water were added to the aqueduct last week through Westlands Water District, Lateral 7, and the Kern River Intertie.